



RED WING BRIDGE PROJECT

US 63 River Bridge and Approach Roadways



Agenda

- Design Process
- Approach Roadways Design
- River Bridge Design
- Visual Quality
- Staging
- Project Schedule
- Right of Way Update

Design Process

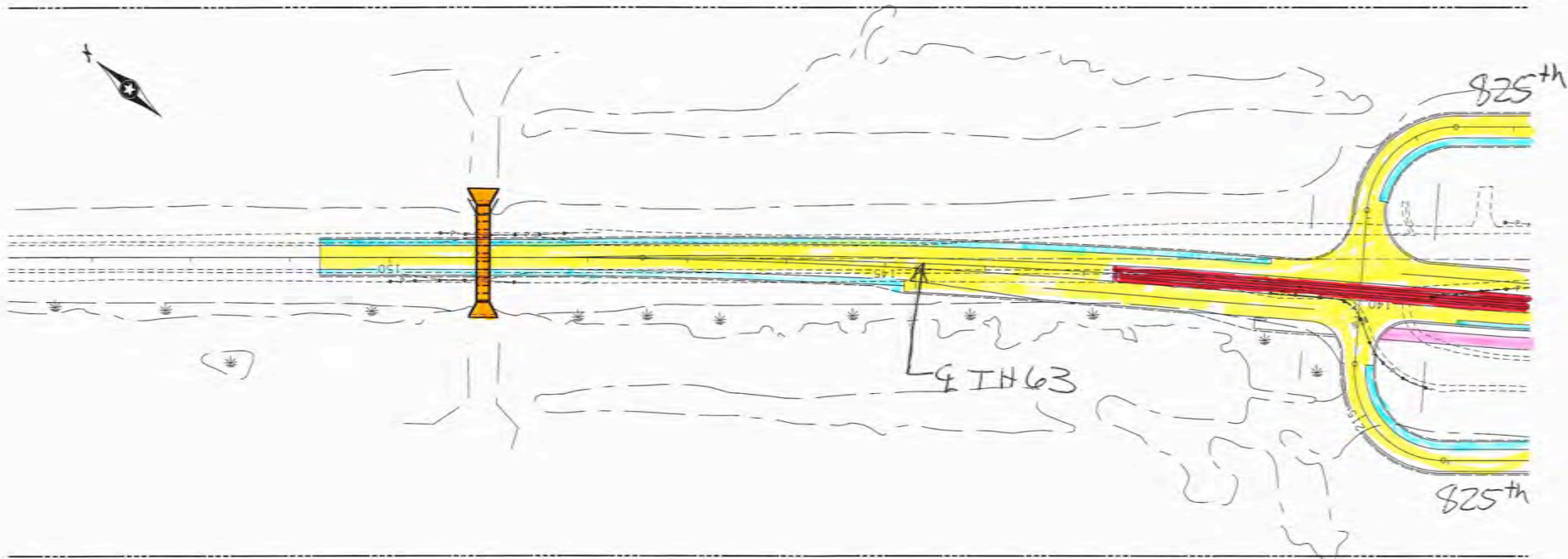
- Preliminary Design/Environmental Review
- Final Design: Approach Roadways
 - Minnesota
 - Wisconsin
- Final Design: River Bridge
- Letting

Approach Roadways Design



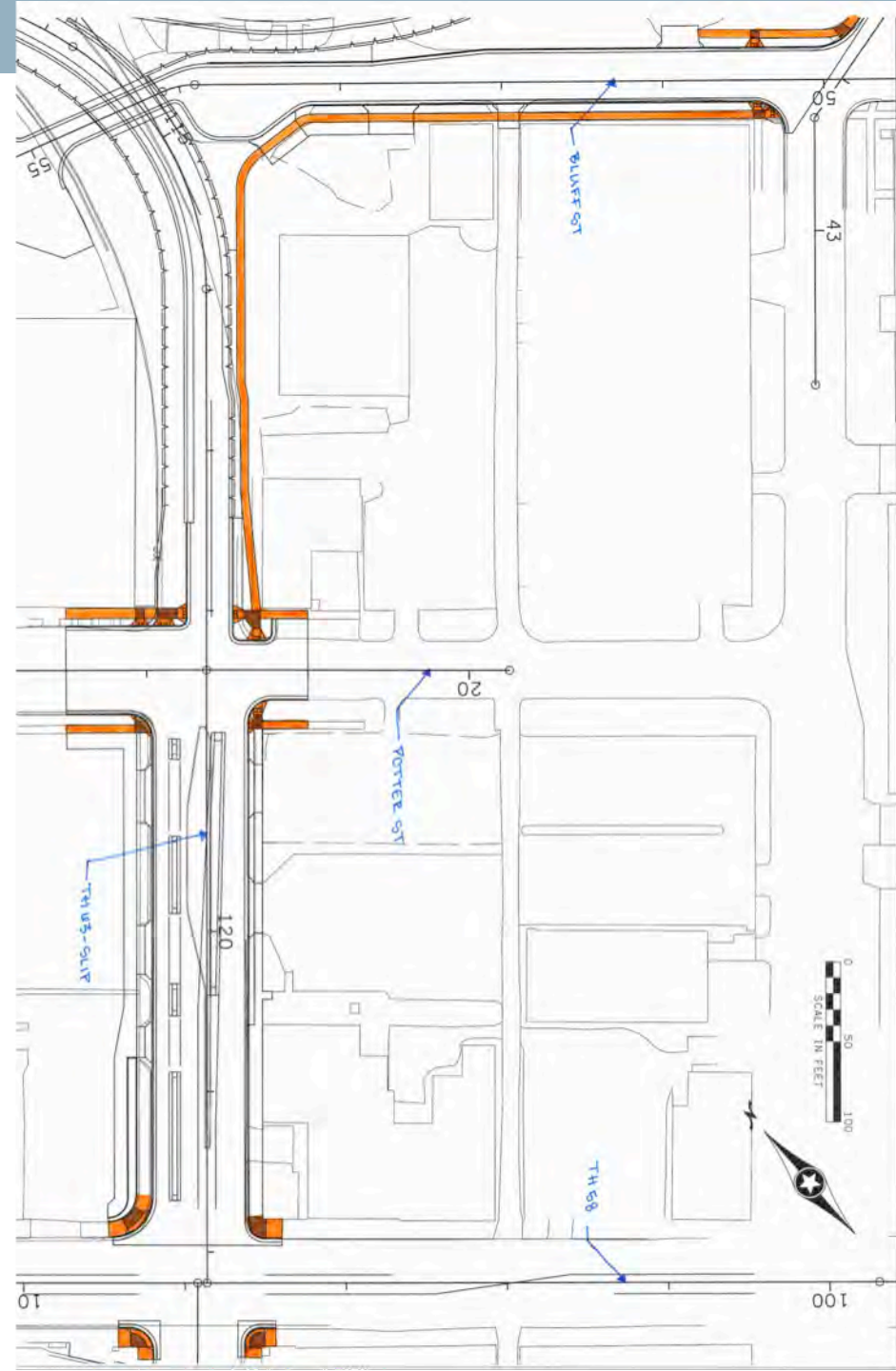
Approach Roadways Design

- Box Culvert Replacement



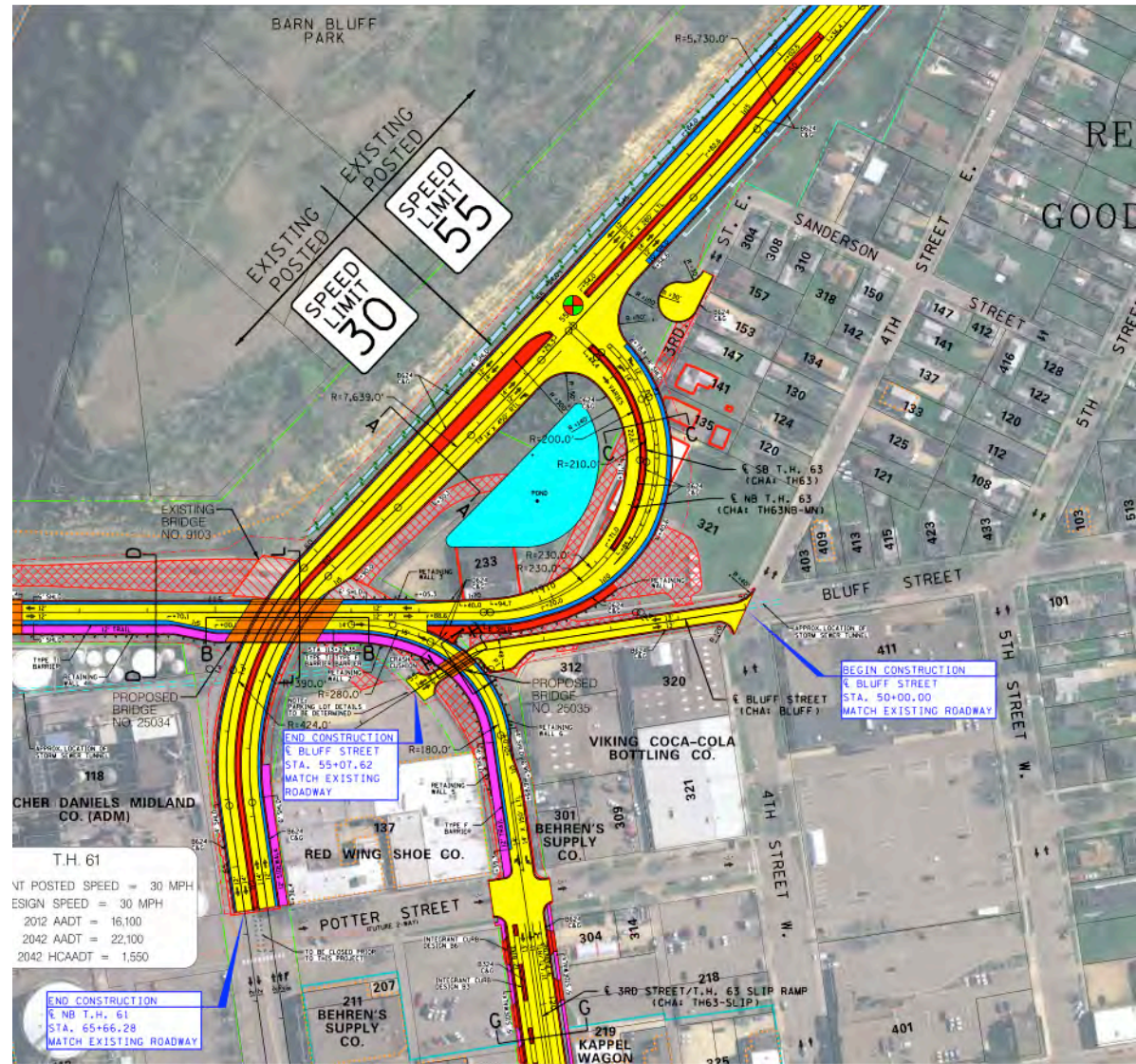
Approach Roadways Design

- Pedestrian Ramps
- Sidewalk along Coca-Cola & Bluff St

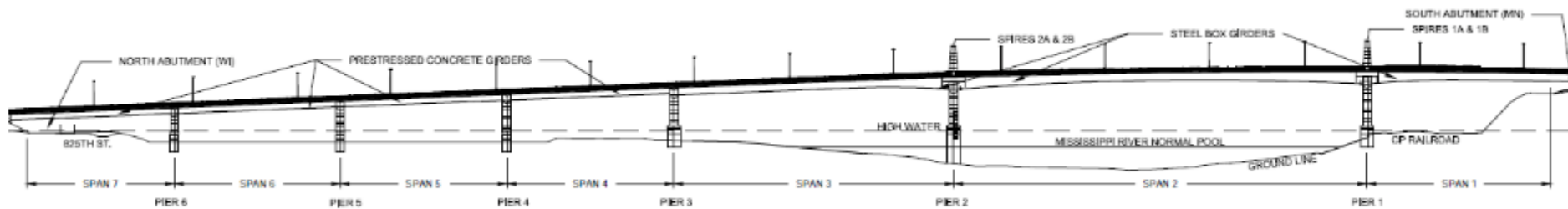


Approach Roadways Design

- Remove Pond
- Use Ditches and Water Quality
- Manholes instead

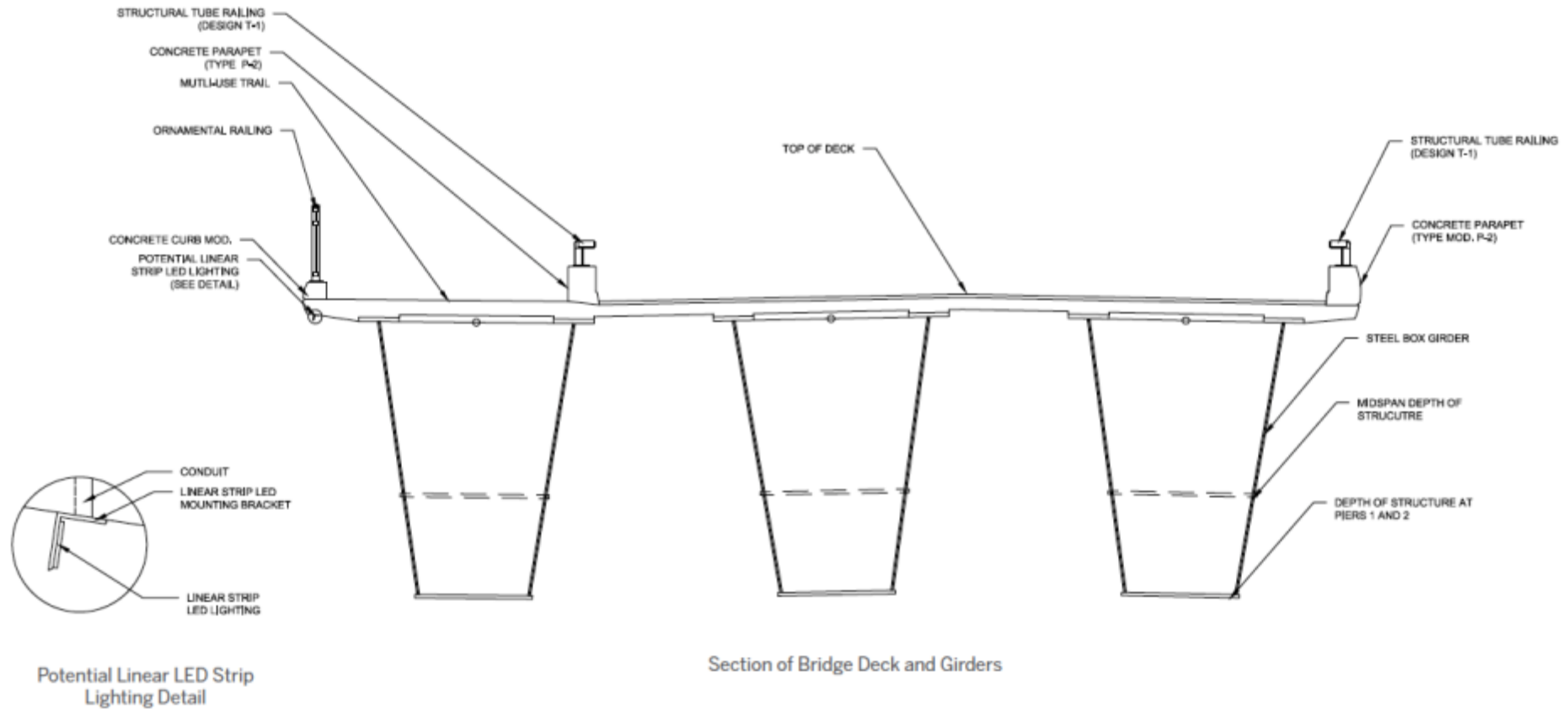


River Bridge Design



Elevation of River Bridge

River Bridge Design



River Bridge Final Design



Visual Quality

- Light Wash



Visual Quality

- River Bridge Piers



Visual Quality

- River Bridge overlook and spires (Day)



Visual Quality

- River Bridge overlook and spires (Evening)



Visual Quality

- Hwy 61 overpass bridge and retaining walls



Visual Quality

- Slip ramp bridge



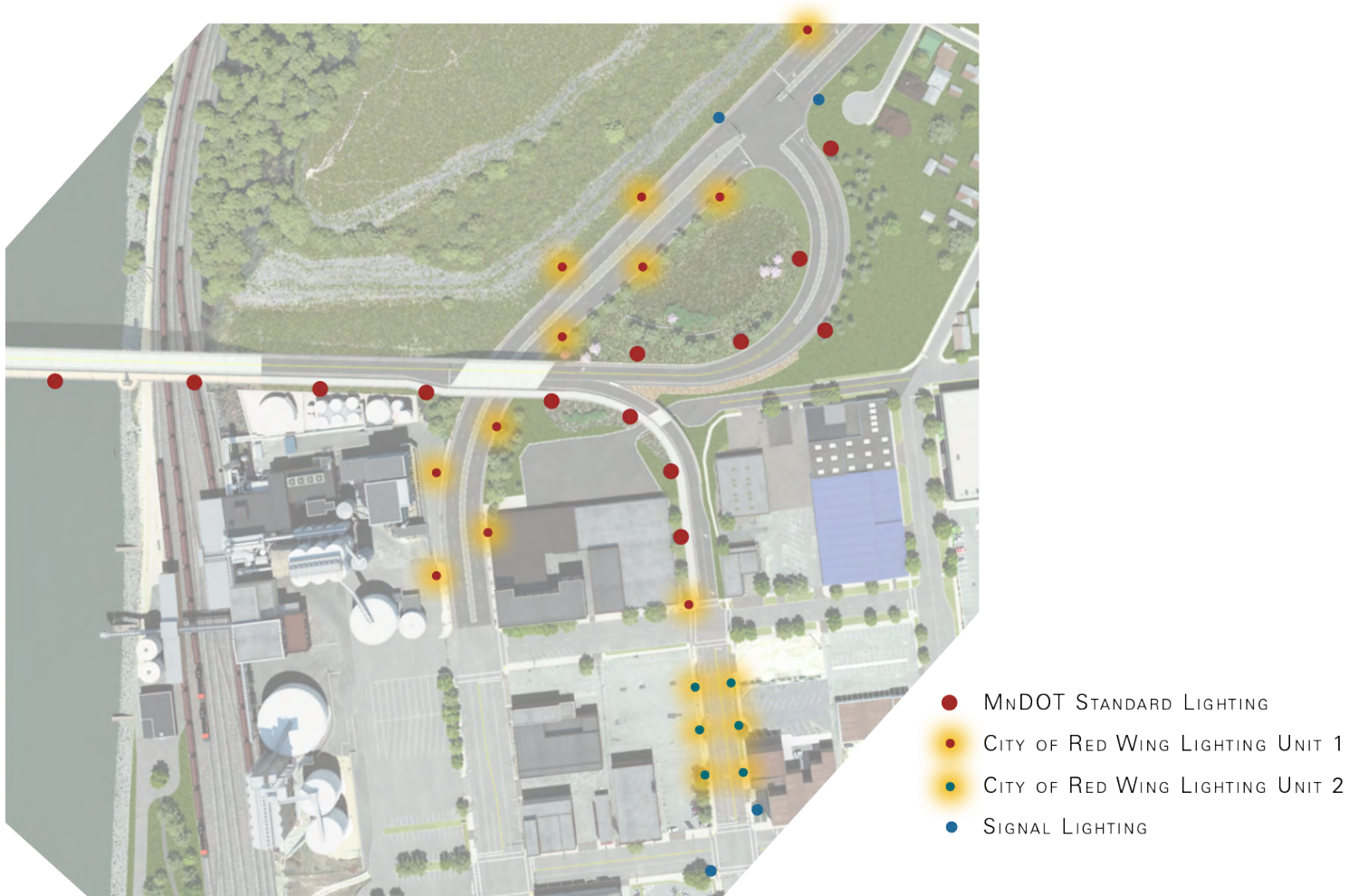
Visual Quality

- Landscaping



Visual Quality

- Lighting Overview



Visual Quality

- Lighting Overview

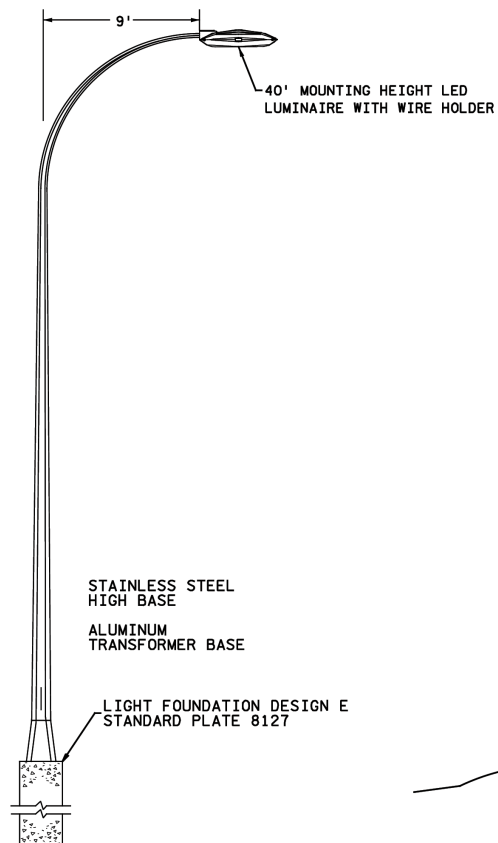


● MNDOT STANDARD LIGHTING

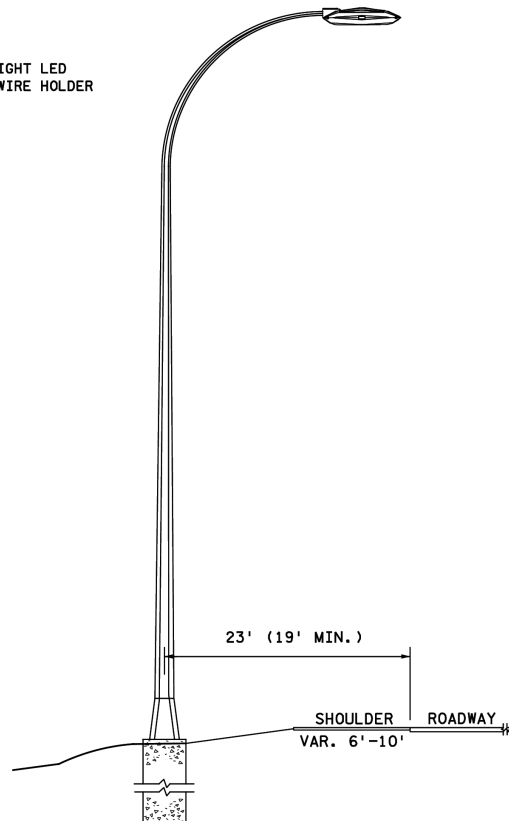
● WISDOT STANDARD LIGHTING

Visual Quality

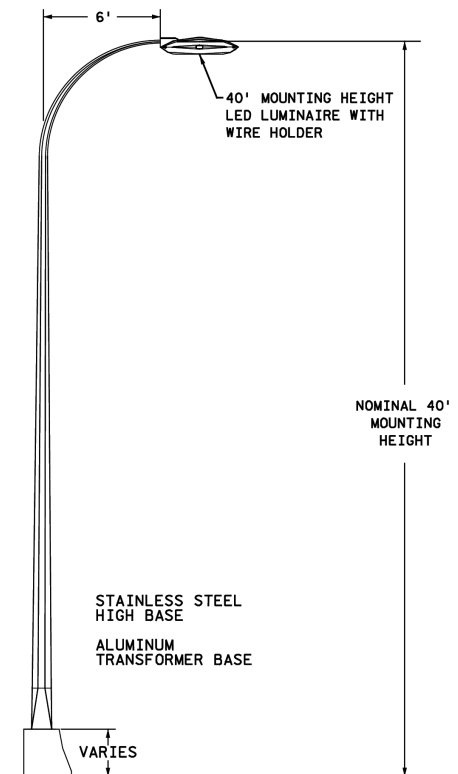
- MnDOT Standard Lighting



LIGHTING UNIT TYPE 9-40
(BREAKAWAY, NOT TO SCALE)



**PLACEMENT OF LIGHTING UNIT
TYPE 9-40**
(NOT TO SCALE)



LIGHTING UNIT TYPE 6B-40
(NOT TO SCALE)
REFER TO BRIDGE PLANS FOR BOLT CLUSTER DETAIL

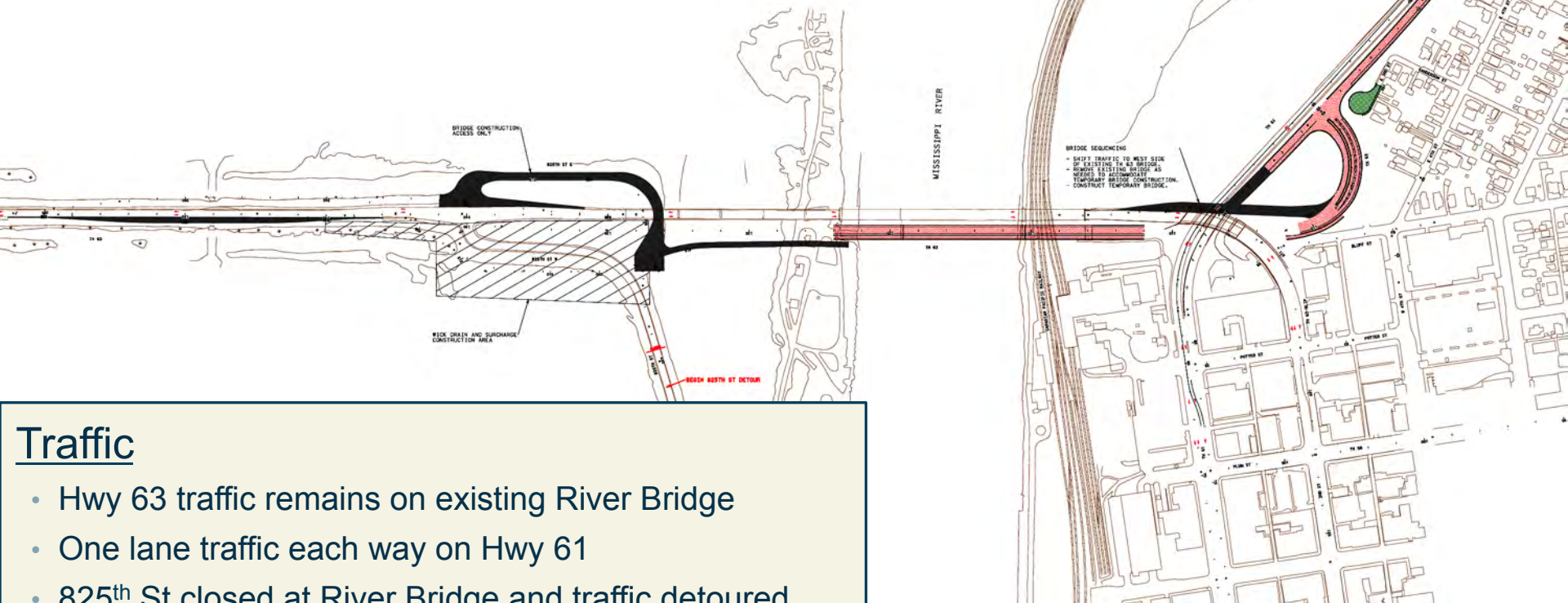
- City of Red Wing Lighting



Staging - 2017 – Stage 1A

Construction

- Begin construction of River Bridge
- Surcharge the poor soils for Wisconsin embankment
- Construct temporary bridge over Hwy 61
- Construct button-hook connection
- Construct Hwy 61 east of the temporary bridge



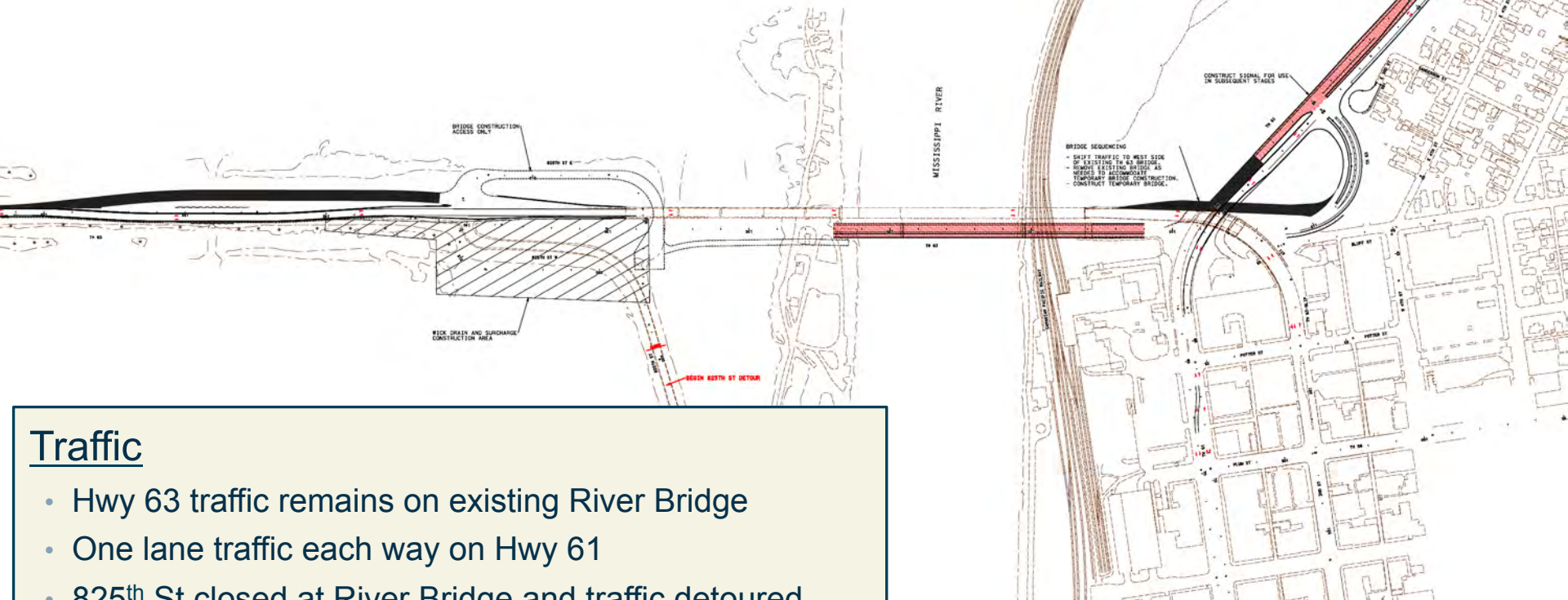
Traffic

- Hwy 63 traffic remains on existing River Bridge
- One lane traffic each way on Hwy 61
- 825th St closed at River Bridge and traffic detoured

Staging - 2017 – Stage 1B

Construction

- Begin construction of River Bridge
- Surcharge the poor soils for Wisconsin embankment
- Construct temporary bridge over Hwy 61
- Construct button-hook connection
- Construct Hwy 61 east of the temporary bridge



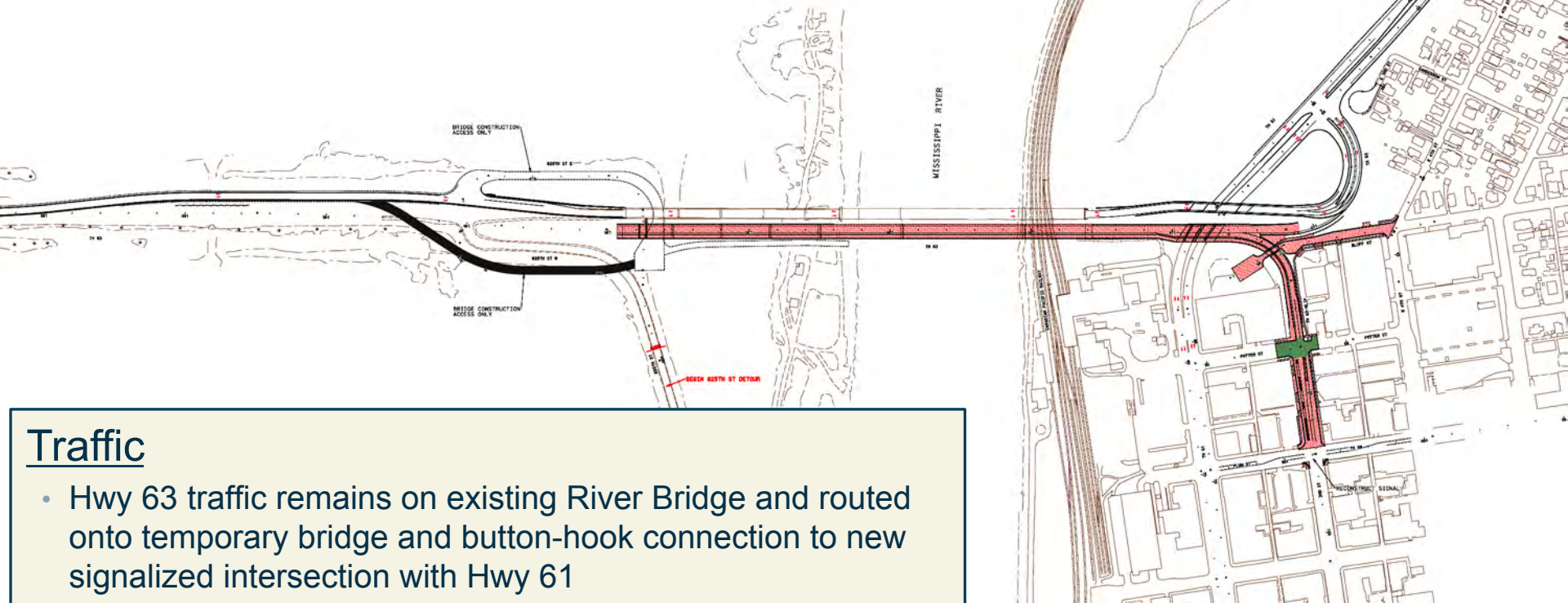
Traffic

- Hwy 63 traffic remains on existing River Bridge
- One lane traffic each way on Hwy 61
- 825th St closed at River Bridge and traffic detoured

Staging - 2018 – Stage 2

Construction

- Construction of River Bridge
- Construct new bridge over Hwy 61, slip ramp, slip ramp bridge, 3rd Street, and Bluff Street



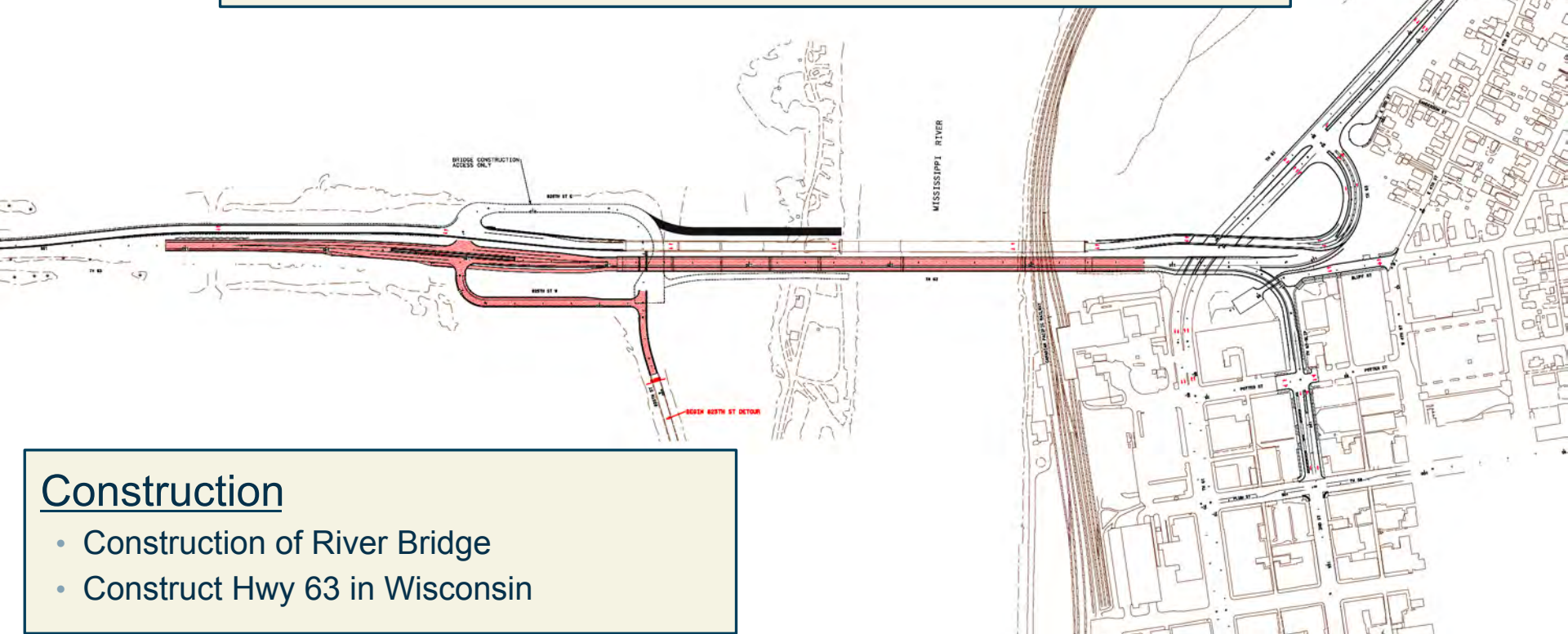
Traffic

- Hwy 63 traffic remains on existing River Bridge and routed onto temporary bridge and button-hook connection to new signalized intersection with Hwy 61
- 825th St closed at River Bridge and traffic detoured
- 3rd St closed, traffic allowed thru at Potter St.

Staging - 2019 – Stage 3

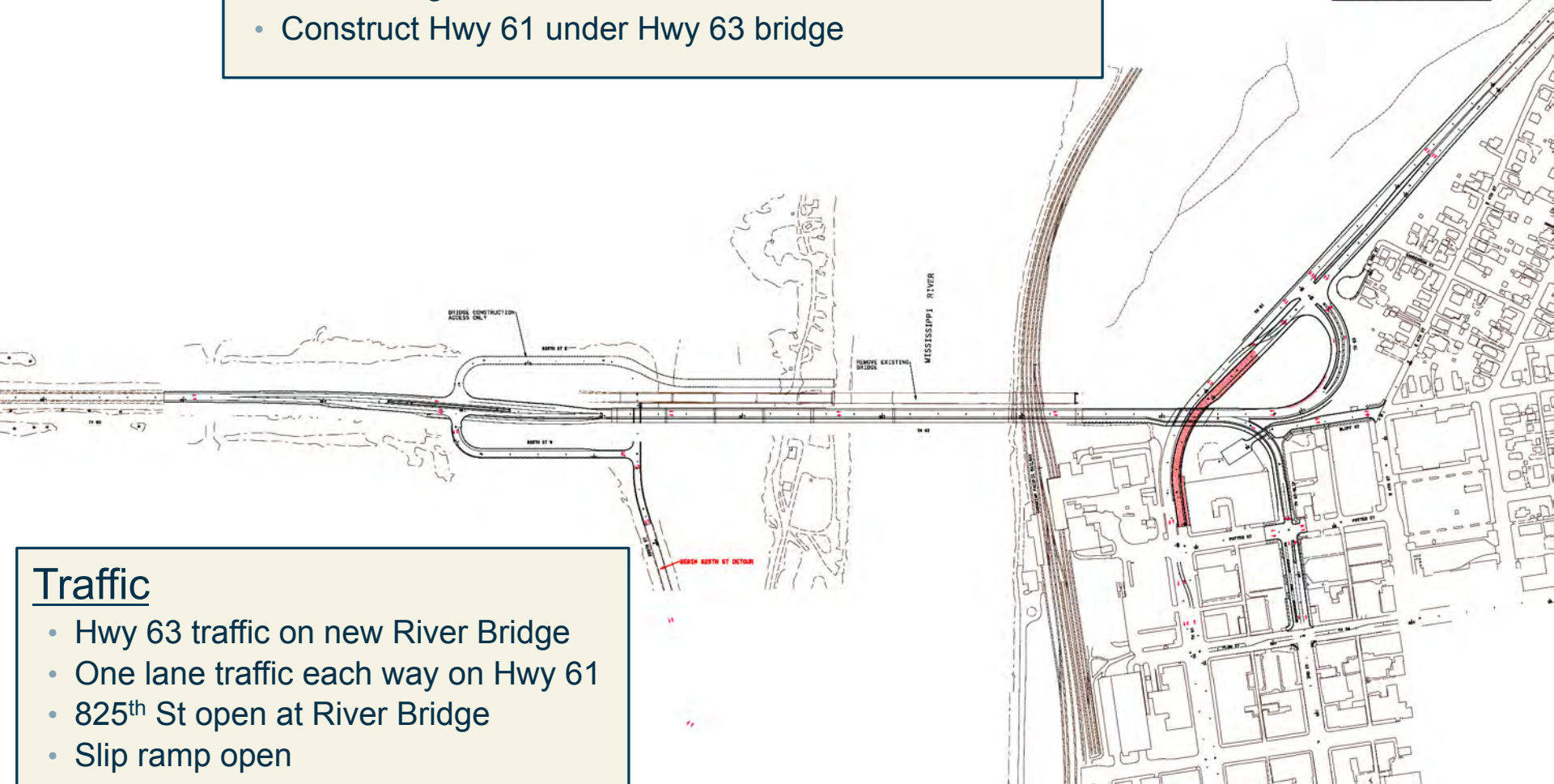
Traffic

- Hwy 63 traffic remains on existing River Bridge and routed onto temporary bridge and button-hook connection to new signaled intersection with Hwy 61
- Two lane traffic each way on Hwy 61
- 825th St closed at River Bridge and traffic detoured
- 3rd St and Bluff St open



Construction

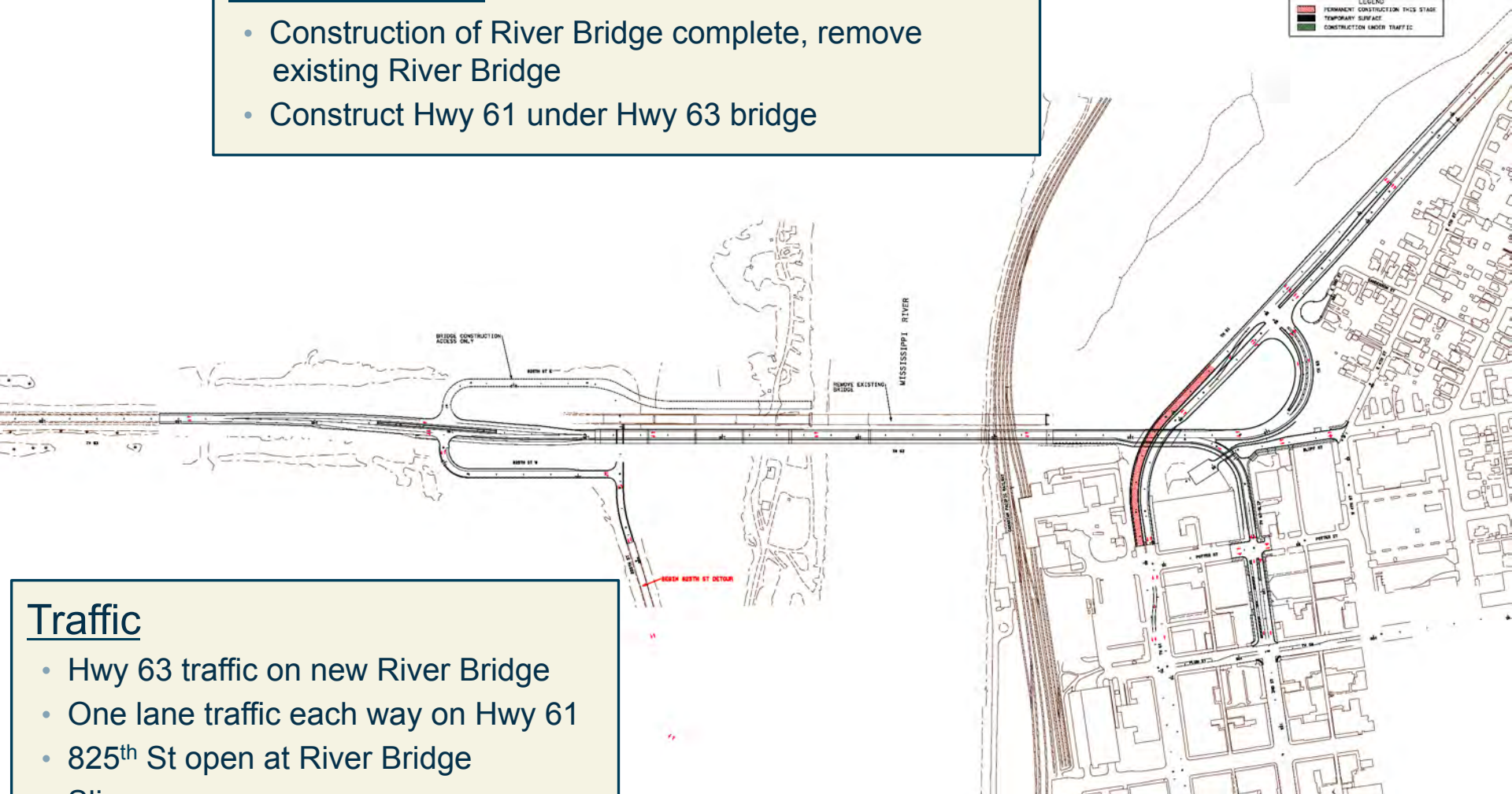
- Construction of River Bridge
- Construct Hwy 63 in Wisconsin



Staging - 2020 – Stage 4B

Construction

- Construction of River Bridge complete, remove existing River Bridge
- Construct Hwy 61 under Hwy 63 bridge



Traffic

- Hwy 63 traffic on new River Bridge
- One lane traffic each way on Hwy 61
- 825th St open at River Bridge
- Slip ramp open

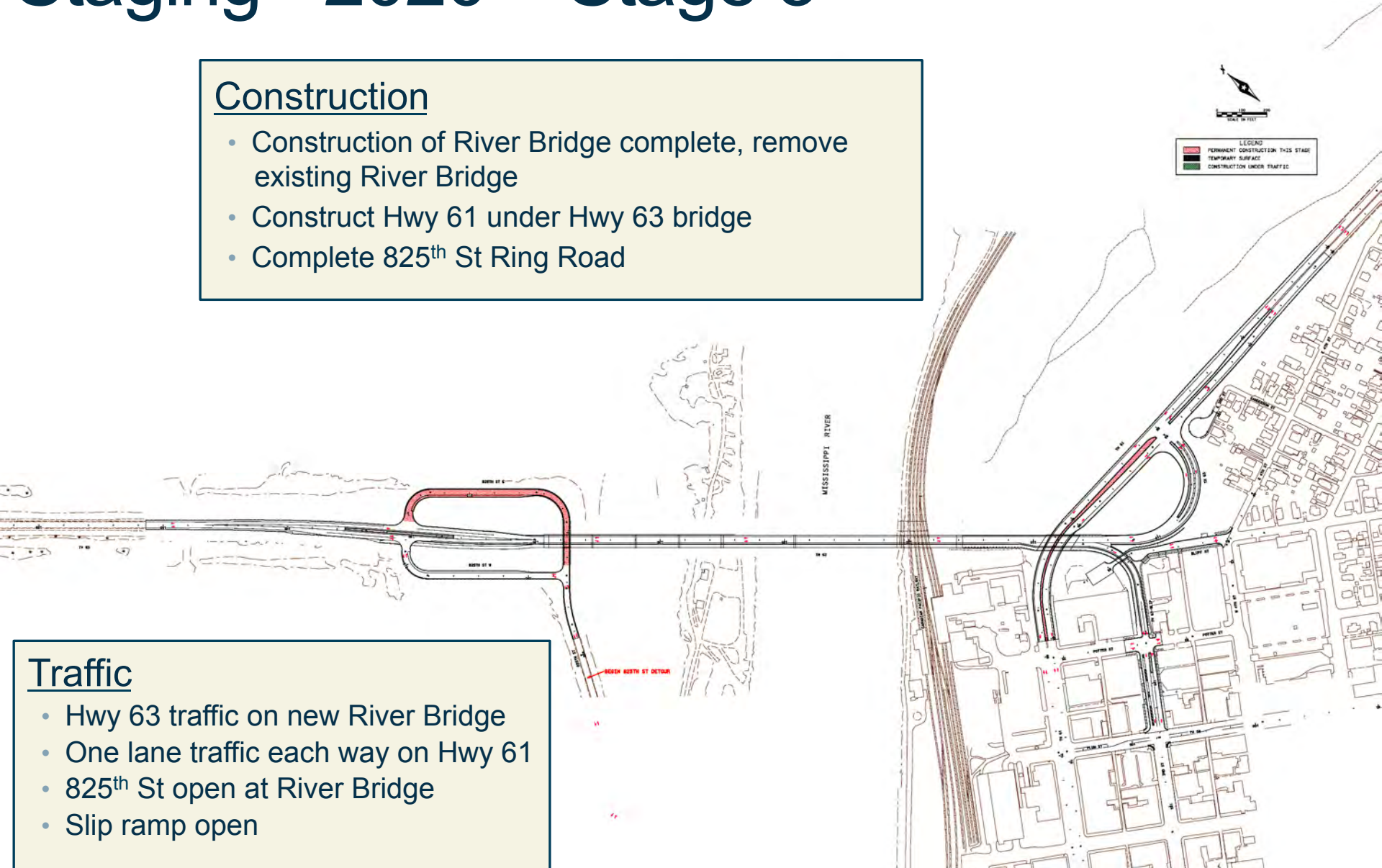
Staging - 2020 – Stage 5

Construction

- Construction of River Bridge complete, remove existing River Bridge
- Construct Hwy 61 under Hwy 63 bridge
- Complete 825th St Ring Road

Traffic

- Hwy 63 traffic on new River Bridge
- One lane traffic each way on Hwy 61
- 825th St open at River Bridge
- Slip ramp open



Project Schedule

- Final design initiated: September 2015
- Environmental review complete (FONSI): mid-March
- Right-of-way acquisition: 2016
- Final design complete: November 2016
- Project letting: February 2017
- Construction: 2017-2020

Right-of-Way Process

- Total Acquisitions (began February 2016)
 - Legal descriptions being prepared
 - Appraisals nearing completion
 - Environmental clearance needed
- Partial Acquisitions/Easement
 - Construction limits currently being finalized

Questions/Comments

Chad Hanson, P.E.

MnDOT Project Manager

507-286-7637

chad.hanson@state.mn.us

David Koepp

WisDOT

715-836-2078

david.koepp@dot.wi.gov